

## Rabbit Cytochrome P450 11A1 Polyclonal Antibody | anti-CYP11A1 antibody

Anti-Cytochrome P450 11A1 Antibody

| CATALOG # | HOST   | REACTIVITY                | APPLICATIONS                                          |
|-----------|--------|---------------------------|-------------------------------------------------------|
| AAA104518 | Rabbit | Human, Mouse, Rat, Monkey | Immunocytochemistry, Immunofluorescence, Western Blot |

### PRODUCT SYNONYMS

Cytochrome P450 11A1; Polyclonal Antibody; Anti-Cytochrome P450 11A1 Antibody; CYP11A; Cholesterol side-chain cleavage enzyme; mitochondrial; CYPXIA1; Cholesterol desmolase; Cytochrome P450(scc); anti-CYP11A1 antibody

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                     |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                              |
| Reactivity                                        | Human, Mouse, Rat, Monkey                                                                                                                           |
| Clonality                                         | Polyclonal                                                                                                                                          |
| Specificity                                       | Recognizes endogenous levels of Cytochrome P450 11A1 protein.                                                                                       |
| Purity/Purification                               | The antibody was purified by immunogen affinity chromatography.                                                                                     |
| Form/Format                                       | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                           |
| Sequence Length                                   | 521                                                                                                                                                 |
| Applicable Applications for anti-CYP11A1 antibody | ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                                                               |
| Immunogen                                         | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Cytochrome P450 11A1. The exact sequence is proprietary. |
| Preparation and Storage                           | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.                                      |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent analysis of Cytochrome P450 11A1 staining in Jurkat cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



#### WB (Western Blot)

Western blot analysis of Cytochrome P450 11A1 expression in Jurkat (A), mouse liver (B), rat liver (C) whole cell lysates.

### ADDITIONAL INFORMATION

|                                                       |                                                    |
|-------------------------------------------------------|----------------------------------------------------|
| Related Product Information for anti-CYP11A1 antibody | Rabbit polyclonal antibody to Cytochrome P450 11A1 |
|-------------------------------------------------------|----------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|           |           |
|-----------|-----------|
| NCBI GI # | 153218646 |
|-----------|-----------|

|                                  |                                                                                                                                                                                                                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GeneID                      | <a href="#">1583</a>                                                                                                                                                                                                                                                                         |
| NCBI Accession #                 | <a href="#">NP_000772.2</a>                                                                                                                                                                                                                                                                  |
| NCBI GenBank Nucleotide #        | <a href="#">NM_000781.2</a>                                                                                                                                                                                                                                                                  |
| UniProt Accession #              | <a href="#">P05108</a> ; <a href="#">Q15081</a> ; <a href="#">Q16805</a> ; <a href="#">Q8N1A7</a> ; <a href="#">A8K8D5</a> ; <a href="#">B3KPU8</a> ; <a href="#">G3XAD7</a>                                                                                                                 |
| Molecular Weight                 | 42,152 Da                                                                                                                                                                                                                                                                                    |
| NCBI Official Full Name          | cholesterol side-chain cleavage enzyme, mitochondrial isoform a                                                                                                                                                                                                                              |
| NCBI Official Synonym Full Names | cytochrome P450, family 11, subfamily A, polypeptide 1                                                                                                                                                                                                                                       |
| NCBI Official Symbol             | CYP11A1                                                                                                                                                                                                                                                                                      |
| NCBI Official Synonym Symbols    | CYP11A; CYPXIA1; P450SCC                                                                                                                                                                                                                                                                     |
| NCBI Protein Information         | cholesterol side-chain cleavage enzyme, mitochondrial; steroid 20-22-lyase; cytochrome P450 11A1; cytochrome P450(scc); cytochrome P450C11A1; cholesterol 20-22 desmolase; cholesterol monooxygenase (side-chain cleaving); cytochrome P450, subfamily XIA (cholesterol side chain cleavage) |
| UniProt Protein Name             | Cholesterol side-chain cleavage enzyme, mitochondrial                                                                                                                                                                                                                                        |
| UniProt Gene Name                | <b>CYP11A1</b>                                                                                                                                                                                                                                                                               |
| UniProt Synonym Gene Names       | CYP11A                                                                                                                                                                                                                                                                                       |
| UniProt Entry Name               | CP11A_HUMAN                                                                                                                                                                                                                                                                                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cytochrome-p450-11a1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/104518>